

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:)	"Express Mail" Mailing Label No. <u>EV 321715540</u>
Shunpei YAMAZAKI et al)	Date of Deposit <u>November 3, 2003</u>
Serial No.: Not Assigned)	I hereby certify that this correspondence is being deposited with the United States Postal Service
Filed: Herewith)	"Express Mail Post Office to Addressee" service under 37 CFR1.10 on the date indicated above
Art Unit:)	and is addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
For: SEMICONDUCTOR DEVICE AND SEMICONDUCTOR DISPLAY DEVICE)	Name: <u>ARMANDO CHUNG</u> (typed or printed)
)	Signature <u><i>Armando Chung</i></u>

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. §1.97, as revised on February 4, 1992, 1135 OG 23-24, Applicant hereby calls the Examiner's attention to documents listed on the attached form, which documents may be material to the examination of this application. A copy of each of the references was submitted to the Patent Office or was cited by the Examiner in the pending prior application Serial No. 09/539,828 filed March 31, 2000, which is a divisional of prior application Serial No. 09/132,633 filed August 11, 1998, which is being relied upon for an earlier filing date under 35 U.S.C. 120 (37 C.F.R. §1.98(d)).

No inference should be drawn that the attached list sets forth a comprehensive investigation of the prior art, that any or all are

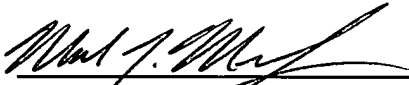
pertinent to the invention, or that any apparatus disclosed is equivalent to the subject invention.

The citation of the above-discussed documents is not to be construed as an assertion that more pertinent art could not possibly be in existence. Citation of any document herein is not to be construed as an admission that any subject matter disclosed in the document is necessarily within the inventive field of endeavor, that any disclosure is necessarily prior in time to a particular date which may be relevant to the instant patent application, and/or that any disclosure is otherwise necessarily prior art with respect to the instant invention.

Applicant also respectfully reserves the right to later set forth how the instant invention is distinguished over the disclosure of any document or other art, including the disclosure of those documents discussed herein, that may be cited by the Examiner in rejecting a claim in the instant patent application.

A first office action, notice of allowance or issue fee notification has not been received in this case, so applicant does not believe that a fee is due. However, if any such fee is required, please charge our Deposit Account No. 50/1039.

Respectfully submitted,



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LIST OF PUBLICATIONS CITED BY APPLICANT	<u>Atty. Docket No.</u> 0553-0109.04	<u>Serial No.</u> Not Assigned
	<u>Applicant</u> Shunpei YAMAZAKI et al.	
	<u>Filing Date</u> Herewith	<u>Group</u>

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	4,394,688	07/19/83	Iida et al.			08/25/81
	5,188,976	02/23/93	Kume et al.			07/09/91
	5,260,797	11/09/93	Muraji et al.			07/07/90
	5,452,019	09/19/95	Fukuda et al.			10/25/93
	5,481,317	01/02/96	Hieda			09/09/94
	5,481,320	01/02/96	Konuma et al.			07/13/92
	5,539,459	07/23/96	Bullitt et al.			05/18/95
	5,642,129	06/24/97	Zavracky et al.			03/23/94
	5,705,829	01/06/98	Miyanaga et al.			01/26/96
	5,784,129	07/21/98	Konuma et al.			12/14/95
	5,793,344	08/11/98	Koyama			03/21/95

FOREIGN PATENT DOCUMENTS

	Document Number	DATE	NAME	English Abstract	English Trans.	Filing Date
	JP 08-148694	06/07/96	Yuda	X		09/22/95

OTHER PUBLICATIONS - NON-PATENT LITERATURE DOCUMENTS
(Including Author, Title, Date, Pertinent Pages)

	1) US Patent Application No. 09/138,691 (pending) to Yamazaki et al filed August 24, 1998, including specification, claims, abstract, drawings and PTO filing receipt.
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EXAMINER:	DATE CONSIDERED:
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*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP form. Draw line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.

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	Filing Date Herewith	Group

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	4,065,781	12/27/77	Gutknecht			06/21/74
	5,666,159	09/09/97	Parulski et al			04/24/95
	5,895,935	04/20/99	Yamazaki et al			04/27/97
	5,926,562	07/20/99	Hyodo et al.			07/21/96
	5,933,199	08/03/99	Yoon			06/03/96
	5,977,562	11/02/99	Hirakata et al.			11/14/96
	5,982,427	11/09/99	Hunt et al.			02/12/96
	5,982,462	11/09/99	Nakano et al			03/06/97
	6,006,313	12/21/99	Fukumoto			06/06/96
	6,268,617	07/31/01	Hirakata et al.			05/24/99

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Name	English Abstract	English Trans.	Filing Date
	JP 05-082787	04/1993	Nishimoto	X		

OTHER PUBLICATIONS - NON-PATENT LITERATURE DOCUMENTS
(Including Author, Title, Date, Pertinent Pages)

	2) US Patent Application No. 09/144,538 (pending) including specification, claims and drawings. 3) SHIMOKAWA et al, "Characterization of High-Efficiency Cast-Si Solar Cell Wafers by MBIC Measurement," Japanese Journal of Applied Physics, vol. 27, No. 5, pp. 751-758, May, (1998).
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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	4,774,556	09/27/88	Fujii et al			07/21/86
	4,780,424	10/25/88	Holler et al			09/28/87
	4,861,730	08/29/89	Hsia et al			01/25/88
	4,929,988	05/29/90	Yoshikawa			08/23/88
	5,017,977	05/21/91	Richardson			01/19/90
	5,021,848	06/04/91	Chiu			03/13/90
	5,053,842	10/01/91	Kojima			05/30/90
	5,071,782	12/10/91	Mori			06/28/90
	5,078,498	01/07/92	Kadokia et al			06/29/90
	5,643,826	07/01/97	Ohtani et al			10/25/94
	5,648,277	07/15/97	Zhang et al			11/02/94
	5,818,083	10/06/98	Ito			03/27/97
	5,847,411	12/08/98	Morii			04/10/97
	5,923,962	07/13/99	Ohtani et al			04/28/95
	5,962,872	10/05/99	Zhang et al			08/07/97
	6,093,937	07/25/00	Yamazaki et al			02/19/97

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	NAME	English Abstract	English Trans.	FILING DATE
	JP 07-130652	05/19/95	Ohtani et al	X		
	JP 07-135318	05/23/95	Chiyu et al	X		
	JP 07-321339	12/08/95	Ohtani et al	X		
	JP 08-078329	03/22/96	Ohtani	X		
	JP 10-294280	11/04/98	Yamazaki et al	X		
	JP 11-345767	12/14/99	Mitsuki et al	X		
	JP 11-354442	12/24/99	Koyama et al	X		

OTHER PRIOR ART - NON-PATENT LITERATURE DOCUMENTS
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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	5,146,426	09/08/92	Mukherjee et al			11/08/90
	5,202,576	04/13/93	Liu et al			06/25/91
	5,350,937	09/27/94	Yamazaki et al			10/07/92
	5,430,320	07/04/95	Lee			12/17/93
	5,541,138	07/30/96	Yamazaki et al			10/28/93
	5,569,615	10/29/96	Yamazaki et al			12/14/94
	5,633,519	05/27/97	Yamazaki et al			06/30/94
	5,753,544	05/19/98	Cho et al			07/07/95
	5,789,292	08/04/98	Yamazaki et al			08/07/96
	5,789,762	08/04/98	Koyama et al			09/12/95
	5,965,915	10/12/99	Yamazaki et al			04/23/97
	6,140,667	10/31/00	Yamazaki et al			02/20/98
	6,160,271	12/12/00	Yamazaki et al			02/20/98
	6,285,042 B1	09/04/01	Ohtani et al			09/12/97
	6,335,541 B1	01/01/02	Ohtani et al			04/15/96
	6,335,716 B1	01/01/02	Yamazaki et al			08/31/98
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	NAME	English Abstract	English Trans.	FILING DATE
OTHER PRIOR ART - NON-PATENT LITERATURE DOCUMENTS (Including Author, Title, Date, Pertinent Pages)						
	4) US Patent Application No. 09/540,357 (pending) to Yamazaki et al, including specification, claims, abstract, drawings and PTO filing receipt. 5) US Patent Application No. 09/540,639 (pending) to Yamazaki et al, including specification, claims, abstract, drawings and PTO filing receipt.					
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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	4,409,724 4,766,477 6,128,648	10/18/83 08/23/88 10/03/00	Tasch, Jr. et al Nakagawa et al Chen et al			11/03/80 07/11/86 11/23/94

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	NAME	English Abstract	English Trans.	FILING DATE

OTHER PRIOR ART - NON-PATENT LITERATURE DOCUMENTS
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	4) US Patent Application No. 09/540,357 (pending) to Yamazaki et al, including specification, claims, abstract, drawings and PTO filing receipt. 5) US Patent Application No. 09/540,639 (pending) to Yamazaki et al, including specification, claims, abstract, drawings and PTO filing receipt.
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